

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 2004CH003	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/IB2005/000569	International filing date (day/month/year) 02/03/2005	(Earliest) Priority Date (day/month/year) 17/03/2004
Applicant CLARIANT INTERNATIONAL LTD		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/000569

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07F9/09 C07F9/09

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 1994, WACHI, TOSHIO ET AL: "Preparation of phosphate triesters" XP002289140 retrieved from STN Database accession no. 1994:54693 abstract & JP 05 140174 A2 (SAKAI CHEMICAL INDUSTRY CO, JAPAN) 8 June 1993 (1993-06-08)</p> <p style="text-align: center;">----- -/--</p>	1

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

6 June 2005

Date of mailing of the international search report

17/06/2005

Name and mailing address of the ISA

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Richter, H

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/000569

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CARIES RESEARCH , 25(1), 51-7 CODEN: CAREBK; ISSN: 0008-6568, 1991, XP009034124 Seite 52, linke Spalte "Alkyl Phosphates" (E) und Zwischenprodukt dafür page 53; tables 1,2	1,5
Y	Seite 52, linke Spalte "Alkyl Phosphates" (E)	3
Y	----- WO 03/091192 A (BASF AG ; RULAND ALFRED (DE); BOEHN ROLAND (DE); HACKMANN CLAUS (DE);) 6 November 2003 (2003-11-06) cited in the application claims 1-8	3,4,8
Y	----- WO 02/08164 A (BASF AG ; MAAS HEIKO (DE); TROPSCH JUERGEN (DE)) 31 January 2002 (2002-01-31) page 4, line 16 - page 5, line 24; claims 1,12,19	3,4,8
A	----- DE 203 03 420 U1 (SASOL GERMANY GMBH) 30 October 2003 (2003-10-30) page 12; claim 6	1,2
A	Seite 11, Zeilen 18-26 page 9, line 20 - line 37; claim 5	3,4
A	page 19, line 21 - line 25 -----	8,9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/000569

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 5140174	A2	08-06-1993	JP 5140174 A	08-06-1993
WO 03091192	A	06-11-2003	DE 10218753 A1	13-11-2003
			DE 10243363 A1	01-04-2004
			AU 2003232206 A1	10-11-2003
			BR 0309487 A	09-02-2005
			CA 2483472 A1	06-11-2003
			WO 03091192 A1	06-11-2003
			EP 1503976 A1	09-02-2005
WO 0208164	A	31-01-2002	DE 10035617 A1	31-01-2002
			AU 7849001 A	05-02-2002
			BR 0112647 A	24-06-2003
			CA 2415715 A1	31-01-2002
			CN 1440375 A	03-09-2003
			WO 0208164 A1	31-01-2002
			EP 1303472 A1	23-04-2003
			JP 2004504370 T	12-02-2004
			MX PA03000205 A	19-06-2003
			US 2003176745 A1	18-09-2003
			ZA 200300507 A	14-07-2004
DE 20303420	U1	25-09-2003	NONE	